

AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A non-contact tonometer comprising:

an alignment light source for emitting a light flux for alignment of a cornea of an eye to be examined;

a projection optical system for projecting the light flux from the alignment light source onto the cornea of the eye to be examined;

image capture means for sensing, after completing the alignment between the cornea of the eye to be examined and the non-contact tonometer, an image obtained from a reflected alignment light flux which is the light flux projected onto and reflected by the cornea of the eye to be examined;

a cornea deformation means for deforming the cornea of the eye to be examined by blowing pressurized air onto the cornea of the eye to be examined;

an intraocular pressure measurement light source for emitting a measurement light flux for measurement of an intraocular pressure of the eye to be examined;

the projection optical system [[for]] further projecting the measurement light flux from the intraocular pressure measurement light source onto the cornea of the eye to be examined;

intraocular pressure measurement light receiving means for detecting a reflected measurement light flux which is the measurement light flux projected onto and reflected from the cornea of the eye to be examined; and

a CPU configured to determine reliability of measurement ~~predict a maximum output value~~ of an output signal which is output from the intraocular pressure measurement light receiving means on the basis of an intensity of the image, at a time of completing the alignment, sensed by the image capture means, and to execute an error

processing and a warning processing in accordance with the determined reliability of measurement,

wherein the CPU executes said warning processing by adding a reliability mark to the output signal in a case that an output value of the output signal from the intraocular pressure light receiving means exceeds ~~the predicted maximum output~~ a predetermined reference value, and

wherein the CPU executes said error processing by generating an error indication in a case that the output value of the signal from the intraocular pressure light receiving means is equal to or smaller than said predetermined reference value.

2-4. (cancelled).

5. (withdrawn) A method of measuring intraocular pressure comprising the steps of:

projecting an alignment detection light flux to an eye to be examined;

performing alignment adjustment based on reflected light of the alignment detection light flux;

blowing a fluid onto the eye to be examined while projecting an intraocular pressure measurement light flux to the eye to be examined;

receiving reflected light of said intraocular pressure measurement light flux from said eye to be examined and outputting a received light signal;

determining a reference value to be compared with said received light signal based on received light quantity of said reflected light of the alignment detection light flux,

wherein said reference value is based on a brightness of bright points based on image data of an anterior ocular segment at a time of alignment; and

determining validity of said received light signal by comparing said reference value and a level of the received light signal.

6. **(withdrawn)** A method of measuring intraocular pressure according to claim 5 further comprising a step of measuring an intraocular pressure value in the case that it is determined that said received light signal is valid.
7. **(withdrawn)** A method according to claim 5 further comprising a step of displaying the measured value on a monitor in the case that it is determined that said received light signal is valid.
8. **(withdrawn)** A method of measuring intraocular pressure comprising the steps of:
 - projecting an alignment detection light flux to an eye to be examined;
 - receiving reflected light of said alignment detection light flux from the eye to be examined;
 - projecting intraocular pressure measurement light flux to the eye to be examined;
 - and
 - determining validity of measurement of the intraocular pressure by comparing a reference value based on a brightness of bright points based on image data of an anterior ocular segment at a time of alignment and determined based on said reflected light of the alignment light flux from said eye to be examined, and a level of reflected light of said intraocular pressure measurement light flux.
- 9-10. **(cancelled).**